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<u>L2</u>	primordial with germ	128	<u>L2</u>
<u>L1</u>	Stem cell with growth factor	838	<u>L1</u>

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<u>L1</u>	piwi or hiwi	18	<u>L1</u>

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L1: Entry 2 of 18

File: PGPB

Oct 17, 2002

DOCUMENT-IDENTIFIER: US 20020150922 A1

TITLE: Compositions and methods for the therapy and diagnosis of colon cancer

Summary of Invention Paragraph (2652):[2649] SEQ ID NO:2602 is the determined full-length cDNA sequence for clone C638S hiwiSummary of Invention Paragraph (2653):[2650] SEQ ID NO:2603 is the full-length protein sequence for clone C638S hiwi ORF encoded by the cDNA sequence set forth in SEQ ID NO:2602Detail Description Paragraph (25):

[2910] One clone, (element R0372 A11, C638S) was further analyzed using real-time PCR as described in Example 5. The real-time analysis showed that this gene is overexpressed in 75% of colon tumors but has low expression in normal colon tissue. Overexpression was also observed in skeletal muscle and adrenal gland (see Table 6). When searched against Genbank, C638S showed similarity to H. sapiens hiwi mRNA. The full-length cDNA and protein sequence for C638S are disclosed in SEQ ID NOs:2602 and 2603, respectively.

Detail Description Table CWU (6):

6TABLE 6	SEQ ID	REAL TIME PCR	NORMAL NO:	GENBANK	IDENTITY	ELEMENT	RATIO	NAME	CT	CN
TISSUE	EXPRESSION	2600	Homo sapiens	<u>hiwi</u>	mRNA	R0372 A11	2.13	C638S	75%	Low Low levels
in skeletal muscle and adrenal gland										
		2601	Homo sapiens	cDNA:	FLJ21212	R0373 A2	2.11			
fis, clone COL00502										
		2596	Homo sapiens	ribosomal protein	R0366 G6	2.03	S4, X-linked			
(RPS4X) mRNA										
		2595	Human	carbohydrate	R0364 B8	2.32	sulfotransferase	4	2598	Homo sapiens
H2A histone										
		R0369 H4	2.01	family, member Z (H2AFZ)	mRNA	2594	Homo sapiens	hypothetical		
R0363 E1										
		2.65	protein (HSPC236),	mRNA	2604	Human	proteasome (prosome,	R0362 E12	2.03	
macropain) subunit, alpha type, 5										
		2599	Homo sapiens	S100 calcium-	R0370 B6	2.44	binding			
protein A6 (calcyclin)										
		2597	Serine	protease inhibitor,	Kunitz	R0366 B10	2.44	type, 2		